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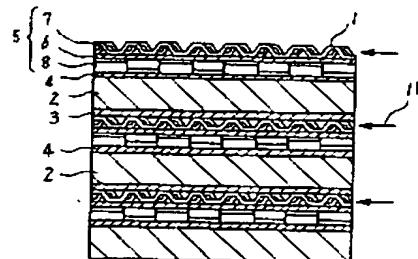
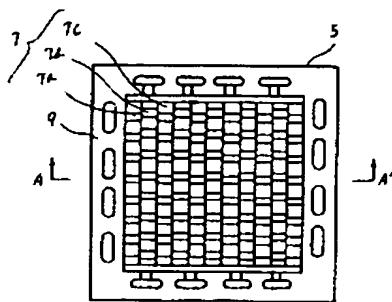
APPLICATION DATE : 02-05-88
APPLICATION NUMBER : 63107631

APPLICANT : HITACHI LTD;

INVENTOR : KAWADA YOICHI;

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TITLE : SEPARATOR FOR FUEL CELL



ABSTRACT : PURPOSE: To make the component and concentration of reaction gas uniform by arranging a plurality of corrugated plates in parallel which are narrow in their width direction and long in the wave progressing direction, and arranging them so that they are parallel in the width direction but their waves are relatively shifted in the length direction.

CONSTITUTION: The first corrugated plates consists of a plurality of corrugated plates 7a, 7b... Each corrugated plate is parallel each other and is long in the wave progressing direction and narrow in the perpendicular direction to the wave progressing direction. Each corrugated plate is positioned on a partition plate 6 so that the recess and projection of each corrugated plate are relatively shifted to those of an adjacent corrugated plate in the wave progressing direction, and each corrugated plate is parallel each other in the wave width direction. The partition plate and each corrugated plate are bonded each other, and the recess and projection of each corrugated plate forms a gas passage for an oxidizing gas 11. The second corrugated plates 8 are long in the wave progressing direction same as the first corrugated plates. The second corrugated plates 8 are bonded onto the under surface of the partition plate 6 so that their recesses and projections perpendicularly intersect to those of the corrugated plates 7, and the recesses and projections of the corrugated plates form gas passages for a fuel gas.

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